

Course Description Form

1. Course Name:	
Clinical pathology	
2. Course Code:	
VEC4127	
3. Semester / Year:	
2023-2024	
4. Description Preparation Date:	
11/2/2024	
5. Available Attendance Forms:	
4 th rd stage students	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hr. / 2 units	
7. Course administrator's name (mention all, if more than one name)	
Name: assistant lec. Reyam sami hameed Name: Assistant Lec. Almas Mohammed Ali	
8. Course Objectives	
Course Objectives	1- Teaching the student the concept of pathological diagnoses and its general principles 2- Knowledge, understanding and comprehension of the scientific subject curriculum 3- To classify the theoretical and practical needs for the development of learning and teaching in the appropriate manner with the scientific material 4- Identifying pathogens that may affect animals to give the correct diagnosis of the disease state.
9. Teaching and Learning Strategies	

Strategy	<ol style="list-style-type: none"> 1) lectures. 2) Discussions during and after the lecture. 3) Motivation through questions and answers. 4) Homework . 5) Preparing scientific reports .
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	۳	Fecal examination	Clinical parasitology	Theoretical (1 hour) + practical (2 hours)	daily test
2 nd	۳	Rumen fluid examination		Theoretical (1 hour) + practical (2 hours)	daily test
3 rd	۳	Skin scraping examination		Theoretical (1 hour) + practical (2 hours)	Homework
4 th	۳	Skin scraping examination		Theoretical (1 hour) + practical (2 hours)	daily test
5 th	۳	Clinical microbiology	Clinical microbiology	Theoretical (1 hour) + practical (2 hours)	daily test
6 th	۳	Clinical microbiology		Theoretical (1 hour) + practical (2 hours)	Homework

7th	۳	Review	Review	Theoretical (1 hour + practical (2 hours	daily test
8th		Mid-term exam.			Theoretical (and practical (10) exams + reports (5)
9th	۳	Milk Examination (physical and chemical)	Milk Examination	Theoretical (1 hour + practical (2 hours	daily test
10 th	۳	Milk Examination (physical and chemical)	Milk Examination	Theoretical (1 hour + practical (2 hours	daily test
11 th	۳	Milk Examination (Bacterial)	Antimicrobial sensitivity test	Theoretical (1 hour + practical (2 hours	Homework
12th	۳	Antimicrobial sensitivity test	Clinical immunology	Theoretical (1 hour + practical (2 hours	daily test
13th	۳	Rumen fluid examination		Theoretical (1 hour + practical (2 hours	daily test
14th	3	Serological test	Transudate and exudate	Theoretical (1 hour + practical (2 hours	daily test
15th	3	Tests of detection of toxic substances.	Water electrolytes and acid - base imbalance	Theoretical (1 hour + practical (2 hours	

11. Course Evaluation

1. Semester and final theory exams by 60%
2. Semester and final practical exams at a rate of 40% , from it Daily exams (cues) and Extracurricular activities (reports, making wall posters) 5%

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	non
Main references (sources)	<p>1-Fundamentals of veterinary clinical pathology ,Steven L.Stokham and Michael A.Scott ,second edition .</p> <p>2-Veterinary clinical diagnosis by laboratory methods , R.S. Brar ,H.S. Sandhu and Avtar Singh .</p> <p>3-Clinical pathology and laboratory techniques for veterinary technicians, ANNE M.BARGER and AMY L. MACNEILL .</p> <p>4-Pathology and parasitology for veterinary technicians , Leland S. Shapiro ,second edition .</p> <p>5-Color atlas of veterinary pathology , J.E.van Dijk ,E.Gruys and J.M.V.M.Mouwen , second edition .</p> <p>6-Manual of small animal clinical pathology , Malcolm Davidson ,Roderick Else and John Lumsden .</p>
Recommended books and references (scientific journals, reports...)	non
Electronic References, Websites	Wikipedia